

WHAT IS CLAIMED IS:

1. An electric motor armature comprising:
  - a cylindrical rotor casing;
  - a plurality of circumferentially spaced wire bundles encased about the circumference of said rotor casing; and
  - a circuit cap electrically connecting said wire bundles to each other.
2. An electric motor armature as recited in Claim 1 wherein said wire bundles are straight and have end portions.
3. An electric motor armature as recited in Claim 2 wherein said circuit cap connects said wire bundles to each other at one of said end portions.
4. An electric motor armature as recited in Claim 3 wherein said rotor casing defines an axis and said straight wire bundles lie parallel to said axis.
5. An electric motor armature as recited in Claim 4 wherein said end portions each have a connecting pin;  
said circuit cap has a plurality of corresponding connecting pin mates;  
and  
each connecting pin mate is connected to a connecting pin using a PCB board-type circuit embedded within said circuit cap to provide a complete electrical circuit.

6. An electric motor armature comprising:
- a cylindrical rotor casing;
  - a plurality of circumferentially spaced wire bundles encased about the circumference of said rotor casing;
  - a circuit cap to electrically connect said wire bundles to each other;
  - wherein said wire bundles are generally straight and have end portions,
  - said circuit cap connects said wire bundles to each other at one of said end portions;
  - said rotor casing defining an axis and said straight wire bundles lie generally parallel to said axis, said end portions each have a connecting pin, and said circuit cap has a plurality of corresponding connecting pin mates; and
  - each connecting pin mate is connected to a connecting pin using a PCB board-type circuit embedded within said circuit cap to provide a complete electrical circuit.

RECORDED AND INDEXED  
BY [illegible]  
[illegible]

7. A process for producing an electric motor armature comprising:  
embedding a plurality of straight bundles of wire spaced about the  
circumference of a cylindrical rotor casing so that said straight bundles  
lie parallel to an axis defined by said cylindrical rotor casing; and  
electrically connecting said straight bundles of wire to form a complete  
electrical circuit.